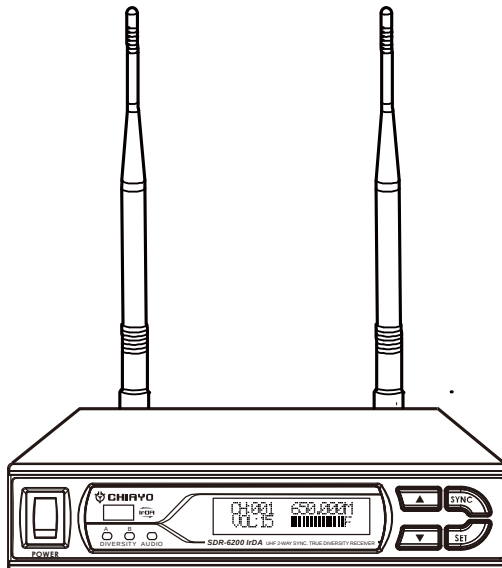


CHIAYO

Operation manual

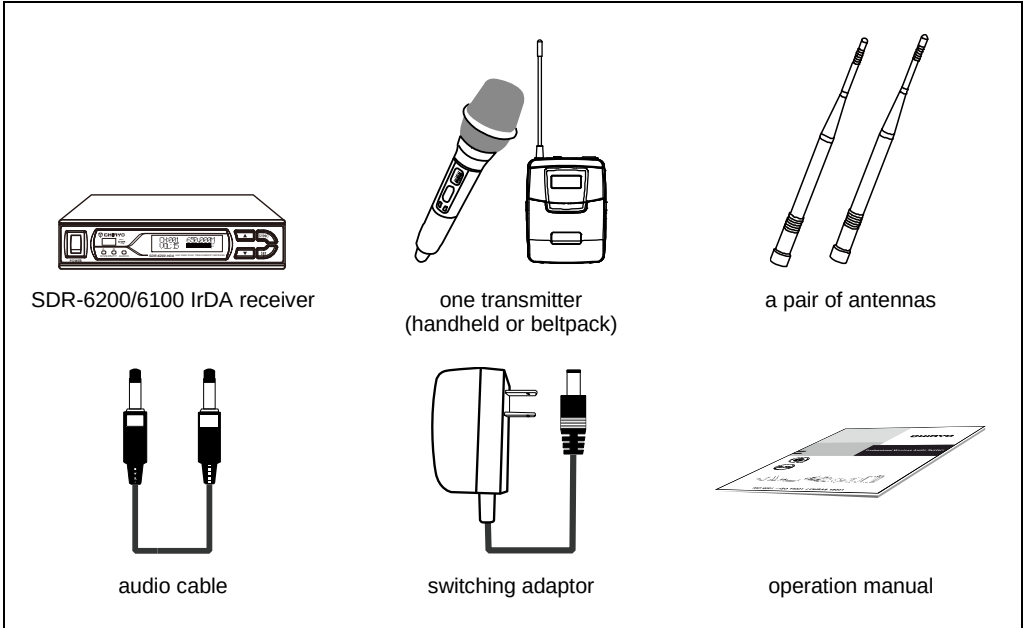
SDR-6200 IrDA SDR-6100 IrDA

UHF 1/2 19" Single-Channel 2-Way Sync
True Diversity / Diversity Receiver



Thank you for choosing this wireless microphone system! For more details, please take a few moments to read this operating manual to have a thorough understanding of the function and operation of both transmitter and receiver.

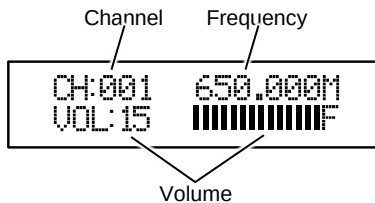
In the box



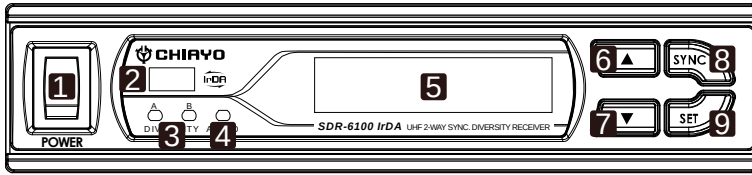
** Remark: The above specifications are subject to change without prior notice.

Important

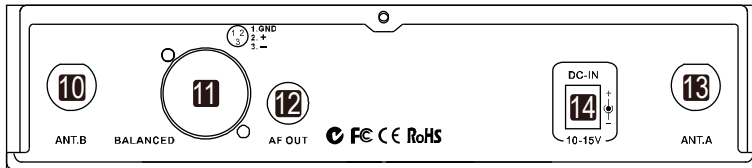
1. Please make sure that the output DC voltage range of the switching power covers that specified by the receiver before turning it on.
2. The receiver and transmitter must be the same frequency.
3. The antenna diversity indicator will flash to denote RF signal received after turning on the transmitter.
4. While speaking to the transmitter, the audio signal indicator will flash to denote signal received.



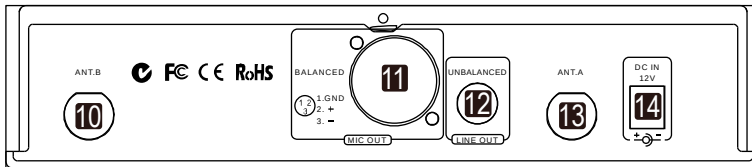
Parts and functions



- | | | |
|------------------------|---------------------------|--------------------------------|
| 1. Power switch | 4. Audio signal indicator | 7. DOWN button |
| 2. IR sensor area | 5. LCD display | 8. IrDA synchronization button |
| 3. Diversity indicator | 6. UP button | 9. SET button |



► SDR-6200 IrDA

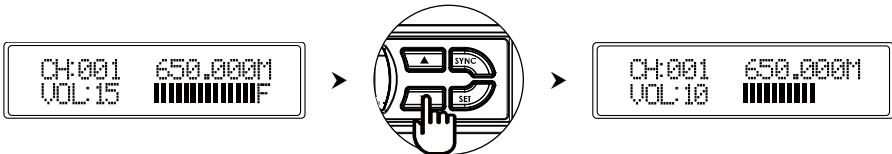


► SDR-6100 IrDA

- | | |
|-----------------------------|----------------------------|
| 10. Antenna B socket (TNC) | 13. Antenna A socket (TNC) |
| 11. Balanced audio output | 14. DC in |
| 12. Unbalanced audio output | |

VOLUME adjusting

The setting can be made right on the homepage.

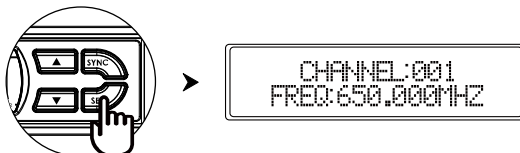


After the setting is made, wait 5 seconds to store the setting.

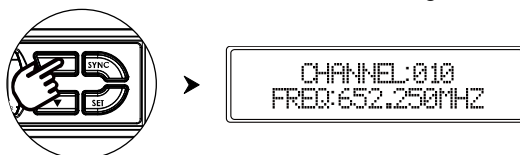
Changing CHANNEL / FREQUENCY

For an interference-free operation, a cleaner channel might be necessary if the current one receives too much interference. To operate the scanning:

- 1 Press and release **SET** button until the CHANNEL-FREQUENCY page appears.

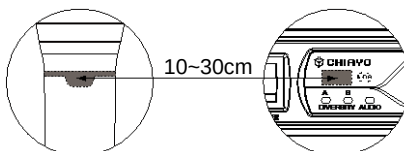


- 2 Press **▲(UP)** or **▼(DOWN)** button to select a new channel. As the channel changes, the frequency changes accordingly, too.
After a channel is chosen, wait 5 seconds to store the setting.



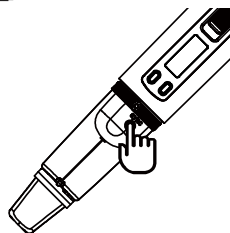
Channel synchronizing between receiver and transmitter

Align infrared areas of the receiver and transmitter within 10~30cm.



Changing the receiver's channel

- 1 Press the synchronizing button of the transmitter.
- 2 The transmitter's LED will glow to denote synchronizing signal transmitted.
- 3 The channel/frequency of the receiver will change and then the synchronization is complete.



Changing the transmitter's channel

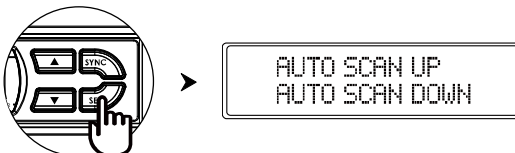
- 1 Press the SYNC button of the receiver
- 2 The receiver's LCD will show **IRDA DATA SEND** to denote synchronizing signal being sent.
- 3 The channel/frequency of the transmitter will change and then the synchronization is complete.

If it doesn't work check that you have the IR sensor panels aligned, that they are facing each other, devices are within 10~30cm of each other, and try again.

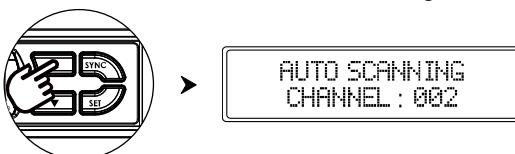
CHANNEL scanning

For an interference- free operation, a cleaner channel might be necessary if the current one receives too much interference. Before scanning, the transmitter must be switched off.

- 1 Press and release **SET** button until the AUTO SCAN page appears.



- 2 Press **▲(UP)** or **▼(DOWN)** button to find and locate a clear, interference- free channel. After a channel is chosen, wait 5 seconds to store the setting.



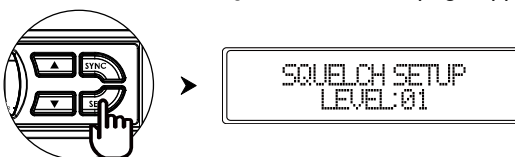
Since increasing the squelch level will also reduce the reception distance, it's recommended to choose the lowest level that can eliminate the interference.

If this still does not solve the problem it means this frequency is not suitable. Adjust the squelch back to its preset level and use the scan function to locate a clear, interference-free channel.

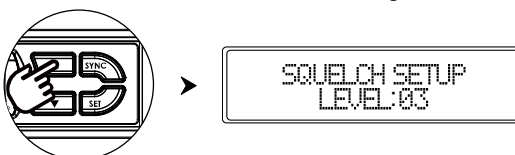
Adjusting SQUELCH level

When interference is encountered try reducing the sensitivity of the receiver, thus less susceptible to interference.

- 1 Press and release **SET** button until the SQUELCH SETUP page appears.



- 2 Then press **▲(UP)** or **▼(DOWN)** button to choose a new level between 1 and 10. After a level is chosen, wait 5 seconds to store the setting.

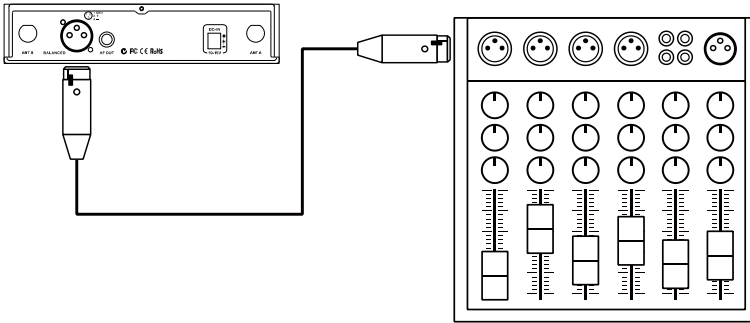


Since increasing the squelch level will also reduce the reception distance, it's recommended to choose the lowest level that can eliminate the interference.

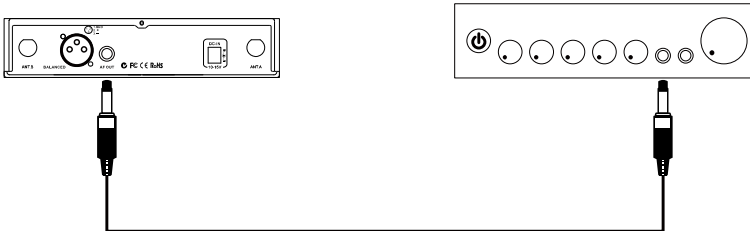
If this still does not solve the problem it means this frequency is not suitable. Adjust the squelch back to its preset level and use the scan function to locate a clear, interference-free channel.

Audio output connection

- **Balanced output:** XLR connector provides balanced audio output signal from this jack to the mixer/amplifier. Use an audio output cable with "XLR" or "Canon" connector, connect one end to the balanced output jack of the receiver, and the other end to the "**MIC IN**" jack of the mixer/ amplifier.

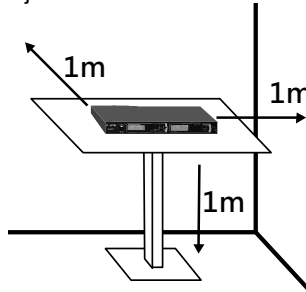


- **Unbalanced output:** 1/4" PHONE PLUG connector provides unbalanced audio output signal from this jack to the mixer/amplifier. Use an audio output cable with 1/4" PHONE PLUG connectors. Connect one end from the unbalanced output jack of the receiver, and the other end to the "**LINE IN**" jack of the mixer/ amplifier.



Receiver installation

For best operation, the receiver should be at least 1m above the ground and 1m away from a wall or metal surface to minimize reflections. The transmitter should also be at least 1m away from a wall or metal surface to minimize reflections. The transmitter should also be at least 1m away from the receiver. Keep antennas away from noise source such as motors, automobiles, neon light as well as large metal objects.



Rack mounting

The receiver can be cabinet-mounted by either one or two units. If only one receiver is to be mounted, an optional kit is available and it's installed as shown in Fig 1. If two receivers are to be mounted, they can be assembled by another kit and installed as shown in Fig 2.

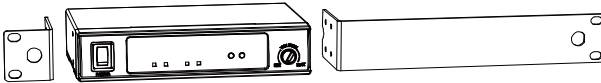


Fig 1. Rack mount of one receiver

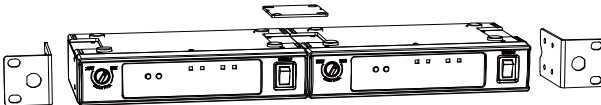


Fig 2. Rack mount of two receivers

CHIAYO ELECTRONICS CO., LTD.

Http://www.chiayo.com.tw | Email: sales@chiayo.com.tw
Office: 30, Lane 27, Section 4, Jen-Ai Road, Taipei 10685, Taiwan
Tel: 886-2-27415741 | Fax: 886-2-27525242
Factory: 88, Chung-Hsiao Street 2, Chiayi 60080, Taiwan
Tel: 886-5-2711000 | Fax: 886-5-5767611



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